

DC-AC STATIC INVERTER

SAFETY CRITICAL SOLUTION

Military Aerospace Static Inverter providing an emergency single phase 200V/115V 400Hz AC supply to essential consumer loads on a Military Transport Aircraft. Currently in service following a successful qualification testing campaign and flight certification in 2014.

Key Features:

- Supports AC Load Up to 2.5kVA During Emergency RAT Deployment
- Hardware BIT and Health Status Relayed to Aircraft Maintenance Panel (Over/Under Voltage, Overheat, Fan Failure)
- Operating Environment of -40°C to +70°C
- Service Altitude of 15kft
- Design Assurance to DO-254 DAL B
- Forced Air Cooled
- EMC to EUROCAE ED14D/DO-160D/MIL-STD-461E
- Environmental to EUROCAE ED14, DO-160G, MIL-STD-810F, ABD0100.1.2
- Power Quality to AMD-24C

Electrical Performance:

- DC Input: 28V
- AC Output: 115V, Single-Phase, 400Hz
- Efficiency >83%



We design, manufacture and test Power Converters (AC-DC, DC-AC, DC-DC and AC-AC) for high reliability and harsh environment applications.

For further information on our full product portfolio, please email us at: powersales@ttelectronics.com